

GGCACGAGTCGGAGCCGGG

CGGAGGGAGGGGGAAAGAGGAGGCCACCGTGAGACTGAGCCGGCAGGCTTCGGGAGGCGAGGGGGGGGGGGAGCAGC

M P G E	4	
GGCGAGGYCGCCGCCCTCGCCCTCGCCGCTAGGACTAGGGGGTGGGGGACGGACAAGCCCCG	ATG CGG GGG GAG	12
T E E P R P P E Q Q D Q E G G E A A K A		24
ACG GAA GAG CCG AGA CCC CGG GAG CAG CAG GAC CAG GAA GGG GGA GAG GCG GCC AAG GCG		72
A P E E P Q Q R P P E A V A A A A P A G T		44
GCT CGG GAG GAG CCC CAA CAA CGG CCC CCT GAG GGG GTC GCG GCG GCG CCT GCA GGG ACC		132
T S S R V L R G G R D R G R A A A A A A A		64
ACT AGC AGC CGC GTG CTG AGG GGA GGT CGG GAC CGA GGC CGG GCC GCT GCG GCG GCC GCC		192
A A A V S R R R K A E Y P R R R R S S P		84
GCC GCA GCT GTG TCC CGC CGG AGG AAG GGC GAG TAT CCC CGC CGG CGG AGG AGC AGC CCC		252
S A R P P D V P G Q Q P Q A A K S P S P		104
AGC GCC AGG CCT CCC GAC GTC CCC GGG CAG CAG CCC CAG GCC GCG AAG TCC CCG TCT CCA		312
V Q G K K S P R L L C I E K V T T D K D		124
GTT CAG GGC AAG AAG AGT CCG CGA CTC CTA TGC ATA GAA AAA GTA ACA ACT GAT AAA GAT		372
P K E E K E E E D D S A L P Q E V S I A		144
CCC AAG GAA GAA AAA GAG GAA GAC GAT TCT GCC CTC CCT CAG GAA GTT TCC ATT GCT		432
A S R P S R G W R S S R T S V S R H R D		164
GCA TCT AGA CCT AGC CGG GCC TGG CGT AGT AGT AGG ACA TCT GTT TCT CGC CAT CGT GAT		492
T E N T R S S R S K T G S L Q L I C K S		184
ACA GAG AAC ACC CGA AGC TCT CGG TCC AAG ACC GGT TCA TTG CAG CTC ATT TCC AAG TCA		552
E P N T D Q L D Y D V G E E H Q S P G G		204
GAA CCA AAT ACA GAC CAA CTT GAT TAT GAT GTT GGA GAA GAG CAT CAG TCT CCA GGT GGC		612
I S G E E E E E E E M L I S E E E I		224
ATT AGT GGT GAA GAG GAA GAG GAG GAA GAG ATG TTA ATC AGT GAA GAG GAG ATA		672
P F K D D P R D E T Y K P H L E R E T P		244
CCA TTC AAA GAT GAT CCA AGA GAT GAG ACC TAC AAA CCC CAC TTA GAA AGG GAA ACC CCA		732
K P R R K S G K V K E E K E K K E I K V		264
AAG CCA CGG AGA AAA TCA GGG AAG GTA AAA GAA GAG AAG GAG AAG AAG GAA ATT AAA GTG		792
E V E V E V K E E E N E I R E D E E P P		284
GAA GTA GAG GTG GAG GTG AAA GAA GAG GAG AAT GAA ATT AGA GAG GAT GAG GAA CCT CCA		852
R K R G R R R K D D K S P R L P K R R K		304
AGG AAG AGA CGA AGA CGA AAA GAT GAC AAA AGT CCA CGT TTA CCC AAA AGG AGA AAA		912
K P P I Q Y V R C E M E G C G T V L A H		324
AAG CCT CCA ATC CAG TAT GTC CGT TGT GAG ATG GAA GGA TGT GGA ACT GTC CTT GCC CAT		972
P R Y L Q H H I K Y Q H L L K K K Y V C		344
CCT CGC TAT TTG CAG CAC CAC ATT AAA TAC CAG CAT TTG CTG AAG AAG AAA TAT GTA TGT		1032
P H P S C G R L F R L Q K Q L L R H A K		364
CCC CAT CCC TCC TGT GGA CGA CTC TTC AGG CTT CAG AAG CAA CTT CTG CGA CAT GCC AAA		1092
H H T D Q R D Y I C E Y C A R A F K S S		384
CAT CAT ACA GAT CAA AGG GAT TAT ATC TGT GAA TAT TGT GCT CGG GCC TTC AAG AGT TCC		1152

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FIG. 1B

M	F	2
AGG	ACC	6
AGG	ACC	22
AGG	ACC	66
GAC	GAG	42
GAC	GAG	126
ACG	GAC	62
ACG	GAC	186
GGC	AAG	82
GGC	AAG	246
GGC	GGG	102
GGC	GGG	306
CTG	AAG	122
CTG	AAG	366
ACC	GCG	142
ACC	GCG	426
GGC	CAG	162
GGC	CAG	486
TTC	AGG	182
TTC	AGG	546
TAC	GGG	202
TAC	GGG	606
GAA	CTA	222
GAA	CTA	666
CCT	GGG	242
CCT	GGG	726
GTG	GTG	282
GTG	GTG	846
TCT	CTG	302
TCT	CTG	906
TCG	GAC	322
TCG	GAC	966
CTG	ACG	342
CTG	ACG	1026
AAG	TCC	362
AAG	TCC	1086

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G F S I K A F D Y E K A Y S L Q R P N D	382
GGT TTC TCC ATC AAG GCT TTC GAC TAC GAG AAG GCG TAC AGC CTG CAG CGG CCC AAT GAC	1146
H E F M Q Q P W T G F T V Q I S F V K G	402
CAC GAG TTT ATG CAG CAG CCG TGG ACG GGC TTT ACC GTG CAG ATC ACC TTT GTG AAG GCC	1206
W G Q C Y T R Q F I S S C P C W L E V I	422
TGG GGT CAG TGC TAC ACC CGC CAG TTC ATC AGC AGC TGC CCG TGC TGG CTA GAG GTC ATC	1266
F N S R *	426
TTC AAC AGC CGG TAG CCGCGTGCGGAGGGGACAGAGCGTGAGCTGAGCAGGCCACACTTCAAACACTTTGCT	1278
GCTAATATTTCTCTCTGAGTCCTGCTTTCTATGCAAACCTCTTGGTGTGTTTTTTTGTGTTGGTTGGTTTTCT	
TCTTCTCGTCTCGTTGTTGTTCTGTTGTTGCTCTTGTGAGAAATAGCTTATGAAAAGAATTGTTGGGTTTTTT	
TGGAAGAAGGGCAGGTATGATCGGAGGACACCTGATAGGAAGAGGGGAAGCAGAAATCCAAGCACCACAAACACA	
GTGTATGAAGGGGGCGGTATCATTTCACTMIGTCAGGAGTGTGTGAGTGTGAGTGTGCGGCTGTGTGTCACGCGT	
GTGCAGGAGCGGCAGATGGGAGACAACGTGCTTTGTTGTTGTCCTTATGGATGTCCCCAGCAGAGAGGTTGCA	
GTCCCCAAGGGGTGTCTCTCCCTGCCCCCTGGACACGCTCAGTGGGGCAGAGGCAGTACCTGGCAAGCTGGGGCTGGG	
TOCCCAGCAGCTGCCAGGAGCACGGCTCTGTCCCCAGCCTGGAAAGCCCCCTGCCCCCTCTCTCCCCCATCAAGGACACG	
GGCCTGTCCACAGGCTCTGAGCAGCGAGCCTGCTAGTGGCGAACAGAACCAATTATTTTCACTCTGCTCTTATICC	
CTTCCCTGCCAGCCCCCTGCCATTGTAGCGTCTTCTTTGGCATCTGCTCTGGATCTCCCTGAGATGGCTTCCCA	
AGGGCTGCCAGGGGGCAGCCCCCTCACAGTATTGCTCACCCAGTGTCCCCCTCTCCCCCTCAGCCTCTCCCCCTGCCCTGGT	
GACATCAGGTTTCCCAGCTAGAAAACCAGCTCAGCACTGCCCTGCTCCCATCTGTGTTAAGCTCTGCTATTAG	
CCCAGCAAGGGGATGTCCCTGGGAGGGACATGCTAGCAGTCCCCCTCCAAAGAAGGATTGGTCCGTATAAC	
CCAAGGTACCATCCTAGGCTGACACCTAACTCTCTTTCTTCTACAAACTCATACACTGATGATACTTCGACA	
CTGTTCTTAGCTCAATGAGCATGTTAGACTTTAACATAAGCTATTTCTAACTACAAAGGTTAAATGAACAAGAGA	
AGCATTCTCATTGAAATTAGCATTGAGTGTGCTTGTGAGAGAGAAAGGACTCTGAAACAAAAACCTGAGATTATTAA	
GAAAAAAATGTATTTATGTTATATAAATATTACTTGAAATATAAAGACGTTTATAAGCATCATTATTTA	
TGTATTGCAATGTTATAAACAGAAAATAAGAAAAGATGCACTTGTCTTAAATATAAATGAAATAACAAATG	
CAAATTAAAAAGATAAACACAAGATTGGTGTCCCCCTATGGGTGTATCACCTACCTGAAATGTTTCTAAAGGAG	
TTTATGTTCCATTAAACGATTTTAAATGTACACTTGAAACAAAAAA	

FIG. 2B

GGCACGAGGTTGCCCTGGCGGAGCAGAGACAGGCCCTGGGGTGGAGGTC

M	C	N	T	P	T	Y	C	D	L	10										
TTGGTTTCATAAGAGCCTGAGAGAGATTTCTAAGAT ATG TGT AAC ACA CCA ACG TAC TGT GAC CTA										30										
G	K	A	A	K	D	V	F	N	K	G	Y	G	F	G	M	V	K	I	D	30
GGA AAG GCT GCT AAG GAT GTC TTC AAC AAA GGA TAT GGC TTT GGC ATG GTC AAG ATA GAC										90										
L	K	T	K	S	C	S	G	V	E	F	S	T	S	G	H	A	Y	T	D	50
CTG AAA ACC AAG TCT TGT AGT GGA GTG GAA TTT TCT ACT TCT GGT CAT GCT TAC ACT GAT										150										
T	G	K	A	S	G	N	L	E	T	K	Y	K	V	C	N	Y	G	L	T	70
ACA GGG AAA GCA TCA GGC AAC CTA GAA ACC AAA TAT AAG GTC TGT AAC TAT GGA CTT ACC										210										
F	T	Q	K	W	N	T	D	N	T	L	G	T	E	I	S	W	E	N	K	90
TTC ACC CAG AAA TGG AAC ACA GAC AAT ACT CTA GGG ACA GAA ATC TCT TGG GAG AAT AAG										270										
L	A	E	G	L	K	L	T	L	D	T	I	F	V	P	N	T	G	K	K	110
TTG GCT GAA GGG TTG AAA CTG ACT CTT GAT ACC ATA TTT GTA CCG AAC ACA GGA AAG AAG										330										
S	G	K	L	K	A	S	Y	K	R	D	C	F	S	V	G	S	N	V	D	130
AGT GGG AAA TTG AAG GCC TCC TAT AAA CGG GAT TGT TTT AGT GTT GGC AGT AAT GTT GAT										390										
I	D	F	S	G	P	T	I	Y	G	W	A	V	L	A	F	E	G	W	L	150
ATA GAT TTT TCT GGA CCA ACC ATC TAT GGC TGG GCT GTG TTG GCC TTC GAA GGG TGG CTT										450										
A	G	Y	Q	M	S	F	D	T	A	K	S	K	L	S	Q	N	N	F	A	170
GCT GGC TAT CAG ATG AGT TTT GAC ACA GCC AAA TCC AAA CTG TCA CAG AAT AAT TTC GCC										510										
L	G	Y	K	A	A	D	F	Q	L	H	T	H	V	N	D	G	T	E	F	190
CTG GGT TAC AAG GCT GCG GAC TTC CAG CTG CAC ACA CAT GTG AAC GAT GGC ACT GAA TTT										570										
G	G	S	I	Y	Q	K	V	N	E	K	I	E	T	S	I	N	L	A	W	210
GGA GGT TCT ATC TAC CAG AAG GTG AAT GAG ATT GAA ACA TCC ATA AAC CTT GCT TGG										630										
T	A	G	S	N	N	T	R	F	G	I	A	A	K	Y	M	L	D	C	R	230
ACA GCT GGG AGT AAC ACC CGT TTT GGC ATT GCT GCT AAG TAC ATG CTG GAT TGT AGA										690										
T	S	L	S	A	K	V	N	N	A	S	L	I	G	L	G	Y	T	Q	T	250
ACT TCT CTC TCT GCT AAA GTA AAT ATT GCC AGC CTG ATT GGA CTG GGT TAT ACT CAG ACC										750										
L	R	P	G	V	K	L	T	L	S	A	L	I	D	G	K	N	F	S	A	270
CTT CGA CCA GGA GTC AAA TTG ACT TTA TCA GCT TTA ATC GAT GGG AAG AAC TTC AGT GCA										810										
G	G	H	K	V	G	L	G	F	E	L	E	A	*							283
GGA GGT CAC AAG GTT GGC TTG GGA TTT GAA CTG GAA GCT TAA TGTGGTTGAGGAAAGCATCAGA										849										
TTTGTCCCTGGAAGTGAAGAGAAATGAACCCACTATGTTTGGCCTTAAATTCTCTGTGAAATTCTGAAAGTCAGTGTGAA																				
CTTTTTATTCTTCAAAGAATTGTAATCCTCCCCACACTGAAGTCTAGGGGTTGCGAATCCCTCCTGAGGGAGACGCTT																				
GAAGGCATGCCCTGGAAGTGTGATGTTGCCCCACGTTCACTGAGTCTGAAAGTGTATTAAATGTGTTCCCTCAGCG																				
ACAGTGTAGCGTCATGTTAGAGGAGACGATCTGACCCACCAGTTGTACATCACGTCTGCATGTCCCACACCATT																				
TCATGACCTTGTAAATACTGGCTCTGTGCTATAGTGGAACTTTGGTTTGCATCATAGTAAAATAACCA																				
TCACATTTGGAACATAA																				

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T S L A L V L N L L Q I Q R N V T L F P  
 ACG AGC CTA GCC CTG GTG CTC AAC CTG CTG CAG ATC CAG AGG AAT GTC ACT CTC TTC CCC 20  
 E E V I A T I F S S A W W V P P C C G T 60  
 GAG GAG GTG ATC GCC ACC ATC TTT TCC TCC GCC TGG TGG GTC CCT CCC TGC TGC GGG ACA 40  
 A A A V V G L L Y P C I D S H L G E P H 120  
 GCA GCT GCT GTT GTT GGC CTA CTG TAC CCC TGT ATC GAC AGT CAC CTC GGA GAA CCC CAC 60  
 K F K R E W A S V M R C I A V F V G I N 180  
 AAA TTT AAG AGA GAA TGG GCC AGT GTC ATG CGC TGC ATA GCA GTT TTT GTT GGC ATT AAC 80  
 H A S A K L D F A N N V Q L S L T L A A 240  
 CAC GCC AGT GCT AAA TTG GAT TTT GCC AAT AAT GTC CAG CTG TCC TTG ACT TTA GCA GCC 100  
 L S L G L W W T F D R S R S G L G L G I 300  
 CTA TCT TTG GCC CTT TGG TGG ACA TTT GAT CGT TCC AGA AGT GGC CTT GGG CTG CGG ATC 120  
 360  
 T I A F L A T L I T Q F L V Y N G V Y Q 140  
 ACC ATA GCT TTT CTA GCT ACG CTG ATC ACG CAG TTT CTC GTG TAT AAT GGT GTC TAT CAG 420  
 Y T S P D F L Y I R S W L P C I F F S G 160  
 TAT ACA TCC CCA GAT TTC CTC TAT ATT CGT TCT TGG CTC CCT TGT ATA TTT TTC TCA GGA 480  
 G V T V G N I G R Q L A M G V P E K P H 180  
 GGC GTC ACG GTG GGG AAC ATA GGA CGA CAG TTA GCT ATG GGT GTT CCT GAA AAG CCC CAT 540  
 S D \* 182  
 AGT GAT TGA GTC TCA AAA ACC ACC GAT TCT GAG AGC AAG GAT TTT GGA AGA AA ATCT GACT GTGG ATT ATGAC 546  
 AAAGATTATCTTTTCTTAAGTAATCTATTAGATCGGCTGACTGTACAAATGACTCCTGAAAAAAACTCTCACCT  
 AGTCTAGAATAGGGAGGTGGAGAATGATGACTTACCCCTGAAGTCTCCCTGACTGCCGCACGGCGCTGTCTGTGC  
 CCTGGAGCATTCTGCCAGGCTACGGGGTTCAAGGAGGTGGCAGCTCCAAAGTATTGATTTCAATTGATGTGATTAA  
 AACAAAGTGGCATTTCAAAAAAAAAAAMCTGAGACCAACCGCAGTTTGTCAGTGCCCCAAGGAGGT  
 AGGTTGATGGTGCTTAACAAACATGAAGTATGGTGTAAAGGAATAATATTATCCNAAGATTGTTAAAAATAGGGCT  
 GTGTTTAAAAAAAAAAAAAA

FIG. 4

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M	C	H	S	R	S	C	H	P	T	M	T	I	L	Q	A	P	T	P	A	20	
ATG	TGT	CAC	TCT	CGC	AGC	TGC	CAC	CGG	ACC	ATG	ACC	ATC	CTG	CAG	GCC	CCG	ACC	CCG	GCC	60	
P	S	T	I	P	G	P	R	R	G	S	G	P	E	I	F	T	F	D	P	40	
CCC	TCC	ACC	ATC	CCG	GGA	CCC	CGG	GGG	GGC	TCC	GGT	CCT	GAG	ATC	TTC	ACC	TTC	GAC	CCT	120	
L	P	E	P	A	A	A	P	A	G	R	P	S	A	S	R	G	H	R	K	60	
CTC	CCG	GAG	CCC	GCA	GCG	GCC	CCT	GCC	GGG	CGC	CCC	AGC	GCC	TCT	CGC	GGG	CAC	CGA	AAG	180	
R	S	R	R	V	L	Y	P	R	V	V	R	R	Q	L	P	V	E	E	P	80	
CGC	AGC	CGC	AGG	GTT	CTC	TAC	OCT	CGA	GTG	GTC	CGG	CGC	CAG	CTG	CCA	GTC	GAG	GAA	CCG	240	
N	P	A	K	R	L	L	F	L	L	L	T	I	V	F	C	Q	I	L	M	100	
AAC	CCA	GCC	AAA	AGG	CTT	CTC	TTT	CTG	CTG	CTC	ACC	ATC	GTC	TTC	TGC	CAG	ATC	CTG	ATG	300	
A	E	E	G	V	P	A	P	L	P	P	E	D	A	P	N	A	A	S	L	120	
GCT	GAA	GAG	GGT	GTG	CCG	GCG	CCC	CTG	CCT	CCA	GAG	GAC	GCC	CCT	AAC	GCC	GCA	TCC	CTG	360	
A	P	T	P	V	S	P	V	L	E	P	F	N	L	T	S	E	P	S	D	140	
GCG	CCC	ACC	CCT	GTG	TCC	CCC	GTC	CTC	GAG	CCC	TTT	AAT	CTG	ACT	TCG	GAG	CCC	TCG	GAC	420	
Y	A	L	D	L	S	T	F	L	Q	Q	H	P	A	A	F	*				157	
TAC	GCT	CTG	GAC	CTC	AGC	ACT	TTC	CTC	CAG	CAA	CAC	CGG	ACACC	AGG	GGT	AC	CGC	GCG	GAG	CGT	471
CTGTGACTCCCCGCACTCCCCAAAAAGAATCCGAAAAACCACAAAGAACACCCAGGGTACCTGGTGCAGGAGAGCGTA	550																				
TCCCCAACTGGGACTTCCGAGGCAACTTGAACCTCAGAACACTACAGCGGAGACGCCACCCGGTGCCTGGGCGACCG	629																				
AGGCGCACAGAGACCGAGGCGCATAGAGACCGAGGCACAGCCCAGCTGGGCTAGGCCGGTGGGAAGGAGAGCGTCGT	708																				
TAATTTATTTCTTATTGCTCTTAATTAAATTATTTATATGTATTATGTACGTCTCTAGGTGATGGAGATGTGTACGTA	787																				
ATATTTATTTAACTTATGCAAGGGTGTGAGATGTTCCCTCTGCTGTAAATGCAGGTCTCTGGTATTTATTGAGCTT	866																				
GTGGGACTGGTGGAACGAGGACACCTGGAACCTGGCAAAGTAGGAGAAGAAATGGGAGGACTCGGTGGGGAGGAC	945																				
GTCCCCGGCTGGGATGAAGTCTGGTGGGTGTAAGTTAGGAGGTGACTGCATCTCCAGCATCTCAACTCCGTCTG	1024																				
TCTACTGTGTGAGACTTGGCGGACCATTTAGGAATGAGATCCGTGAGATCCTTCCATCTCTGAGTCGCTTGGG	1103																				
TGGCTGCGAGGTAGAGGGTGGGGTGGTGGCTGTCACGGAGCGACTGTCGAGATCGCCTAGTATGTTCTGTGAACA	1182																				
CAAATAAAATTGATTACTGTCAAAAAAAAAAAACTCGAG	1228																				

FIG. 5

GAATTCCGCCACGGAGGAGCTCCCTTCTGGCTCTCCATCA70000CTTAAGGTTAGCTCTTC 68  
 CGTTCTGGGGCCAGGAGGGACGGCCTCAAGGAGGCCCCCTCCCCATCCACAGGGGCTCTTGGAGGGAAACTTG 147  
 GCAAGGGGGAGGCATGTOGATCTTCTCTGCCAAGATGCTGACCTGGAGATGGGTGTAAGGTTATGCTCCAAA 226  
 CTGAAACTTGCAGGCCACTGGAGAGGCTGTGAACTCTTCTGCTTAAAGAATTAAAGTCTAGATCCAAAAGGCTA 305  
 AGTACCCCCCTGGGGCTAACAGAGGCATGCTGGCTGACCTGACCTCTGGTGCCTGGGGGGGGCTGGCTGACTGCTC 384  
 TTCTGAGGAAGTTGGAGGGAGTTCTGAAGTTGATTCAGGCTGGATGCTCAAGGGGTTGGAGTTCTGATGCTC 463  
 TTCTGTCCTCCCTCTCTTCTCTCTGCTACCAGGTOCACTCTTCAAGAGGGGCTGGGTGCTCTAAAAGTTCTC 542  
 CTGTTAAAGTTAGAGCAAATTGGTATTATTTAAATCAATAAAACTTTAAAAGTACTAAGACAACCTCTAAGAGG 621  
 GGAGTOGACAGAGGGGCTGGTGGCAGCTCACAGTTCTCTGACCTTGGTCTCACCCACCAAGTCTCCACCTGAG 700  
 TGGGGACCTTGCCCCACCTGAGGTAAATGGCTGGGGCTCCACCACTCAGATCCACAGGGGGCAGGCAAGTGGGAGTGGC 779  
 GGCTGATTGTTACCCAGTAGTGTGATAGCACATTATCATAACAGCCAAAGAGAGGAAGCAACCCAAAGTCTCCACCTAG 858  
 CTGATAAAATGGATAAAATGAAATATGGTACGGTCCAGAAGAATGAAATATCATTCAACCATGAAAAGAAGAAGTCCAGCA 937  
 CCAAAACGTGCTACACATGGATGAACTTGGATGACTTGTGCCACATGAAAGAAGAAGCCAGGCAACAAAGGCCATAT 1016

M S R M G K P I E T Q K S P P P  
 ATTGTATGAAATGAA ATG TCC AGA ATG GGC AAA CCC ATA GAG ACA CAA AAA TCT CCG CCA CCT 16  
 1079

P Y S R L S P R D E Y K P L D L S D S. T 36  
 CCC TAC TCT CCG CTG TCT CCT CGC GAC GAG TAC AAG CCA CTG GAT CTG TCC GAT TCC ACA 1139

L S Y T E T E A T N S L I T A P G E F S 56  
 TTG TCT TAC ACT GAA ACG GAG GCT ACC AAC TCC ATC ACT GCT CCG GGT GAA TTC TCA 1199

D A S M S P D A T K P S H W C S V A Y W 76  
 GAC GCC AGC ATG TCT CCG GAC GCC ACC AAG CGG AGC CAC TGG TGC AGC GTG GCG TAC TGG 1259

E H R T R V G R L Y A V Y D Q A V S I F 96  
 GAG CAC CGG ACG CGC GTG GGC CGC CTC TAT GCG GTG TAC GAC CAG GGC GTC AGC ATC TTC 1319

Y D L P Q G S G F C L G Q L N L E Q R S 116  
 TAC GAC CTA CCT CAG CGC AGC GGC TTC TGC CTG CGC CAG CTC AAC CTG GAG CAG CGC AGC 1379

E S V R R T R S K I G F G I L L S K E P 136  
 GAG TCG GTG CGG CGA ACG CGC AGC AAG ATC GGC TTC GGC ATC CTG CTC AGC AAG GAG CCC 1439

D G V W A Y N R G E H P I F V N S P T L 156  
 GAC GGC GTG TGG GGC TAC AAC CGC CGC GAG CAC CCC ATC TTC GTC AAC TCC CGG AGC CGC CTG 1499

D A P G G R A L V V R K V P P G Y S I K 176  
 GAC GCG CGC 1559

V F D F E R S G L Q H A P E P D A A D G 196  
 GTG TTC GAC TTC GAG CGC TCG GGC CTG CAG CAC CGC 1619

P Y D P N S V R I S F A K G W G P C Y S 216  
 CGC TAC GAC CCC AAC AGC GTC CGC ATC ACG TTC GGC AAG GGC TGG CGG CCC TGC TAC TCC 1679

R Q F I T S C P C W L E I L L N N P R 235  
 CGG CAG TTC ATC ACC TCC CGC 1739

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TOCCCGGCCCCGGGGAGGGGGCGTGGAGGGGGGGCACCCACCTGGGGGCTCGAGAGGGGGGATGCCAGA	1818
GACACAGCCCCACGGACAAACCCCCCAGATATCATCTACCTAGATTTAATATAAAGTTTATATATATGGAAAT	1897
ATATATTATACTTGTAAATTATGGACTCATTTTACAATGTAATTATTTATGTATGGTCAATGTGTGTATATGGACAA	1976
ACAAGAAAAGACCCACTTGGCTTATAATTCTTCAATACAGATATATTTCTTCTCTCTCTCTCTCTCTCTACT	2055
TTTTATATATATATAAAGAAAATGATAACAGCAGAGCTACGTGGAAAAGCCTGGTTGGTGTATGGTTTGAGATA	2134
TTAATGCCAGACAAAAAGCTAATACCAAGTCACTOGATAATAAGTATTGGCATTATAGTTTTAACTGTCTCT	2213
TTTACAAAAGAGGGCAGGTAGGGCTTCACGGGATTTCTGACCCATCATGTACCTGAAACTTGACCTCAGTTCAAG	2292
TTTACTTTATGGATAAAGACAGAACAAATTGAAAAGGGAGGAAAGTCACATTACTCTTAAGTAAACCAGAGAAAAG	2371
TTCTGTGTGTTCTTCTGGCCATGGCTATGGGTGTCAGTGGATAGGGATGGGGTGGGAAAAGGAGAAATACACTGG	2450
CCATTTATCTGGACAACCTCTTCCAGTCAGTCAGTGGAGGGTTCATGGCTAACCTAGAAAGGGCCAGTCCATGACCC	2529
CCATCTTGAGTTATGAGCAAGCTAAAAGAAGACACTATTCTCACCATTTGTGGAAATGGCTGGGAAACAAGACT	2608
GAATGGGCTTGAGGCCACCTGCTACCTGAGAGAACCATCTGAGGCCCGTAGATTTTTAGGACCTCCACAGGC	2687
TATTTCCCACCCCCCAGCCAAAATAGCTCAGAATCTGCCCATCCAGGGCTGTATTAAATGATTTATGTAAAGGCAGATG	2766
GTTTATTTCTACTTTGTAAAAGGAAAAGTTGAGGTTCTGGAAGGATAATGATTTGCTCATGAGACAAAATCAAGGT	2845
AGAAGTTACATGGAATTGAGGACCAAGGCCATATCATTAGATCAGCTTCTGAGAAATATTCTCHAAAAAAGAAAGTC	2924
TCCTTGGCCAGATAACTAAGAGGAATGTTCTTGTATATCTTCTGGAGATTATATAACATATTAAGTCCTC	3003
TGAGAAGTCTGTGTATTATCTTGTGCTGATAATAAATTATCCCCAAAACCTAAAAAAAGGGGGGGGGGGGGGGGGGGGG	3082
G	3083

FIG. 6B